

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2012 Levee Inspection Results

Reclamation District No. 2085 Kasson

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	5.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/16/2012 - 5/16/2012			
DWR Inspector	Max Khashchuk			
Accompanied By	Ralph Timan			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River				Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Flood Preparedness & Training	CR	A Ma		°	°	7
DWR ID: DWR_RD2085_01_s_2012_7										
2			Earthen Levee	Operations & Maintenance Manuals	CR	A Ma		°	°	9
DWR ID: DWR_RD2085_01_s_2012_9										
3			Earthen Levee	Emergency Supplies & Equipment	CR	A Ma		°	°	14
DWR ID: DWR_RD2085_01_s_2012_14										
4	0.41	0.64	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.723140 ° -121.299541 °	37.721889 ° -121.296096 °	1 Y
DWR ID: DWR_RD2085_01_s_2012_1										
5	0.47	0.47	Earthen Levee	Encroachments	WS	U Ma	PI : Pipe Inspector Comments: Pipe from abandoned drainage pump penetrates levee with no closure devices.	37.723396 ° -121.298572 °	37.723396 ° -121.298572 °	2 Y
DWR ID: DWR_RD2085_01_s_2012_2										
6	0.51	0.87	Earthen Levee	Vegetation	LS	C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Weed control has not been done, will be started after next tax assessment.	37.723179 ° -121.298021 °	37.719487 ° -121.293252 °	3
DWR ID: DWR_RD2085_01_s_2012_3										
7	0.51	2.08	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Waterside vegetation control has not started, will start after next tax assessment.	37.723179 ° -121.298022 °	37.708368 ° -121.277493 °	31 Y
DWR ID: DWR_RD2085_01_s_2012_31										
8	0.76	0.76	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Burrow could not be seen during Fall 2011 inspection due to vegetation growth.	37.720699 ° -121.294710 °	37.720699 ° -121.294710 °	5
DWR ID: DWR_RD2085_01_s_2012_5										
9	0.89	1.18	Earthen Levee	Encroachments	LS	C Ma	AT : Agricultural tilling Inspector Comments: Tilling at levee toe may destabilize levee slope over time and has removed the lower patrol access.	37.719164 ° -121.293194 °	37.714681 ° -121.293194 °	4
DWR ID: DWR_RD2085_01_s_2012_4										
10	1.18	1.18	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: 6-7 burrows present near levee toe.	37.715569 ° -121.290892 °	37.715569 ° -121.290892 °	40 Y
DWR ID: DWR_RD2085_01_s_2012_40										
11	1.28	1.32	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch Inspector Comments: Drainage ditch at levee toe.	37.714265 ° -121.289641 °	37.714056 ° -121.289069 °	6
DWR ID: DWR_RD2085_01_s_2012_6										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River							Left	5.20	05/16/2012 05/16/2012	Max Khashchuk
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
12	1.35	1.35	Earthen Levee	Encroachments	CR Ma	M	PI : Pipe	37.714048 ° -121.288410 ° DWR ID: DWR_RD2085_01_s_2012_8	37.714048 ° -121.288410 °	8 Y
13	1.98	1.98	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe		37.708838 ° -121.279253 ° DWR ID: DWR_RD2085_01_s_2012_17	37.708838 ° -121.279253 °	17 Y
14	1.98	2.44	Earthen Levee	Encroachments	LS Ma	M	AD : Agricultural Ditch Inspector Comments: Concrete-lined ditch near levee toe.	37.708737 ° -121.279087 ° DWR ID: DWR_RD2085_01_s_2012_18	37.703893 ° -121.274605 °	18 Y
15	2.45	2.45	Earthen Levee	Trim / Thin Trees	CR Ma	M	T4 : Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Trim tree up 12' over roadway.	37.703707 ° -121.274597 ° DWR ID: DWR_RD2085_01_s_2012_41	37.703707 ° -121.274597 °	41 Y
16	2.51	2.51	Earthen Levee	Underseepage Relief Wells	LS Ma	A/W		37.702903 ° -121.274860 ° DWR ID: DWR_RD2085_01_s_2012_20	37.702903 ° -121.274860 °	20 Y
17	2.71	2.91	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Landside toe is not visible due to vegetation.	37.700179 ° -121.276165 ° DWR ID: DWR_RD2085_01_s_2012_43	37.697686 ° -121.278048 °	43 Y
18	2.75	2.75	Earthen Levee	Encroachments	WS Ma	M	PI : Pipe Inspector Comments: Trash present at crown from pump platform debris.	37.699662 ° -121.276324 ° DWR ID: DWR_RD2085_01_s_2012_21	37.699662 ° -121.276324 °	21 Y
19	3.11	3.60	Earthen Levee	Vegetation	LS Ma	C	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.695239 ° -121.277017 ° DWR ID: DWR_RD2085_01_s_2012_12	37.688626 ° -121.276446 °	12 Y
20	3.24	3.24	Earthen Levee	Encroachments	WS Ma	M	PI : Pipe Inspector Comments: Steel pipe daylights on water side just below barbed wire fence. Remnants of a turnout and collar on land side. Condition of abandoned pipe under levee is unknown.	37.693439 ° -121.277702 ° DWR ID: DWR_RD2085_01_s_2012_46	37.693439 ° -121.277702 °	46 Y
21	3.28	3.28	Earthen Levee	Animal Control	WSA/W Ma		A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.692916 ° -121.277929 ° DWR ID: DWR_RD2085_01_s_2012_15	37.692916 ° -121.277929 °	15 Y
22	3.31	3.31	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: No rodents visible, but numerous, >10, burrows on landside. 1 burrow on waterside.	37.692453 ° -121.278037 ° DWR ID: DWR_RD2085_01_s_2012_44	37.692453 ° -121.278037 °	44 Y
23	3.32	3.40	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.692347 ° -121.278055 ° DWR ID: DWR_RD2085_01_s_2012_48	37.691213 ° -121.277557 °	48 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River							Left	5.20	05/16/2012 05/16/2012	Max Khashchuk
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
24	3.33	3.33	Earthen Levee	Encroachments	WS	M Ma	PI : Pipe Inspector Comments: Pipe missing flap gate and positive closure device on waterside hinge point.	37.691969 ° -121.278093 °	37.691969 ° -121.278093 °	22
								DWR ID: DWR_RD2085_01_s_2012_22		
25	3.37	3.37	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.691680 ° -121.277925 °	37.691680 ° -121.277925 °	47 Y
								DWR ID: DWR_RD2085_01_s_2012_47		
26	3.46	3.46	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.690532 ° -121.276993 °	37.690532 ° -121.276993 °	16
								DWR ID: DWR_RD2085_01_s_2012_16		
27	3.46	3.46	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.690532 ° -121.276993 °	37.690532 ° -121.276993 °	19
								DWR ID: DWR_RD2085_01_s_2012_19		
28	3.63	4.01	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.688226 ° -121.276598 °	37.683106 ° -121.274964 °	51 Y
								DWR ID: DWR_RD2085_01_s_2012_51		
29	3.63	3.84	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.688212 ° -121.276658 °	37.685226 ° -121.276556 °	26 Y
								DWR ID: DWR_RD2085_01_s_2012_26		
30	3.72	3.72	Earthen Levee	Encroachments	CR	A/W Ma	PI : Pipe Inspector Comments: Discharge from River Club lake.	37.686977 ° -121.276804 °	37.686977 ° -121.276804 °	24
								DWR ID: DWR_RD2085_01_s_2012_24		
31	3.78	3.78	Earthen Levee	Trim / Thin Trees	CR	M Ma	T4 : Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Tree needs to be trimmed up 12' over roadway.	37.686081 ° -121.276741 °	37.686081 ° -121.276741 °	52 Y
								DWR ID: DWR_RD2085_01_s_2012_52		
32	3.89	3.97	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.684509 ° -121.276243 °	37.683472 ° -121.275570 °	27
								DWR ID: DWR_RD2085_01_s_2012_27		
33	3.95	3.95	Earthen Levee	Encroachments	CR	A/W En	PI : Pipe	37.683445 ° -121.275848 °	37.683445 ° -121.275848 °	10 Y
								DWR ID: DWR_RD2085_01_s_2012_10		
34	3.98	3.98	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.683403 ° -121.275372 °	37.683403 ° -121.275372 °	53 Y
								DWR ID: DWR_RD2085_01_s_2012_53		
35	4.14	4.14	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.682125 ° -121.272988 °	37.682125 ° -121.272988 °	28 Y
								DWR ID: DWR_RD2085_01_s_2012_28		
36	4.18	4.45	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.681886 ° -121.272333 °	37.681332 ° -121.267518 °	54 Y
								DWR ID: DWR_RD2085_01_s_2012_54		
37	4.23	4.33	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.681746 ° -121.271419 °	37.681882 ° -121.269607 °	29
								DWR ID: DWR_RD2085_01_s_2012_29		

*** Location**

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**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River							Left	5.20	05/16/2012 05/16/2012	Max Khashchuk
LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
38	4.29	4.32	Earthen Levee	Trim / Thin Trees	LS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trees on levee slope near gate.	37.681765 ° -121.270375 °	37.681868 ° -121.269917 °	11
								DWR ID: DWR_RD2085_01_s_2012_11		
39	4.32	4.37	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	37.681863 ° -121.269856 °	37.681640 ° -121.269046 °	33 Y
								DWR ID: DWR_RD2085_01_s_2012_33		
40	4.37	4.37	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.681606 ° -121.268942 °	37.681606 ° -121.268942 °	13 Y
								DWR ID: DWR_RD2085_01_s_2012_13		
41	4.38	4.38	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	37.681605 ° -121.268882 °	37.681605 ° -121.268882 °	32 Y
								DWR ID: DWR_RD2085_01_s_2012_32		
42	4.49	5.16	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.681203 ° -121.266807 °	37.675008 ° -121.269265 °	55 Y
								DWR ID: DWR_RD2085_01_s_2012_55		
43	4.61	4.71	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.680394 ° -121.264707 °	37.676892 ° -121.269781 °	34 Y
								DWR ID: DWR_RD2085_01_s_2012_34		
44	4.71	4.71	Earthen Levee	Encroachments	LS	A/W Ma	ST : Stairways Inspector Comments: Stairs for monitoring station on landside slope.	37.679451 ° -121.265453 °	37.679451 ° -121.265453 °	35 Y
								DWR ID: DWR_RD2085_01_s_2012_35		
45	4.71	4.71	Earthen Levee	Encroachments	WS	M En	BU : Buildings Inspector Comments: Monitoring station on waterward side.	37.679451 ° -121.265453 °	37.679451 ° -121.265453 °	36 Y
								DWR ID: DWR_RD2085_01_s_2012_36		
46	4.81	4.87	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.678321 ° -121.266612 °	37.678073 ° -121.267635 °	56 Y
								DWR ID: DWR_RD2085_01_s_2012_56		
47	4.92	5.01	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.677882 ° -121.268440 °	37.677072 ° -121.269667 °	57 Y
								DWR ID: DWR_RD2085_01_s_2012_57		

*** Location**

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.41
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Tall weeds remain on the landside levee slope.

mkhashch_s_20120511_314.jpg



Levee Mile Report Line	4
Start Levee Mile	0.41
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

04/28/2011 Weeds taller than 12" inhibit visibility of landside slope and toe.

mkhashch_s_20120511_315.jpg



Levee Mile Report Line	4
Start Levee Mile	0.41
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Updated photo vegetation issue still remains on landside.

mkhashch_s_20120511_316.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Drainage discharge pipe penetrates levee with no closure device.

mkhashch_s_20120511_317.jpg



Levee Mile Report Line	5
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Opening on landside appears to consist of melted poly pipe halfway up levee slope. Opening on waterside is heavily corroded steel pipe.

mkhashch_s_20120511_318.jpg



Levee Mile Report Line	5
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments

04/28/2011 Area around discharge pipe appears to be in an area of erosion. Area was found after weeds were cleared.

mkhashch_s_20120511_319.jpg



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Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

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Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	7
Start Levee Mile	0.51
End Levee Mile	2.08
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Waterside vegetation management has not started yet.	
mkhashch_s_20120511_328.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 Several burrows present.	
mkhashch_s_20120511_333.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 Second photo more burrows in the same location.	
mkhashch_s_20120511_334.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	12
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Crown
Category	Earthen Levee
Item	Encroachments

Photo of anti siphon at waterside shoulder.

mkhashch_s_20120511_322.jpg



Levee Mile Report Line	15
Start Levee Mile	2.45
End Levee Mile	2.45
Location	Crown
Category	Earthen Levee
Item	Trim / Thin Trees

11/03/2011 Tree needs to be trimmed up to a minimum of 12' over the roadway.

mkhashch_s_20120511_335.jpg



Levee Mile Report Line	17
Start Levee Mile	2.71
End Levee Mile	2.91
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Tumbleweed on landside slope and toe obscure visibility.

mkhashch_s_20120511_336.jpg



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A/W : Acceptable but Monitor & Maintain

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	17
Start Levee Mile	2.71
End Levee Mile	2.91
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Most vegetation is removed; tumbleweeds are obstruct visibility of landside toe. 05/16/2012

mkhashch_s_20120518_379.jpg



Levee Mile Report Line	18
Start Levee Mile	2.75
End Levee Mile	2.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments

04/28/2011 Trash still present, item was noted in Fall 2010 inspection.

mkhashch_s_20120511_325.jpg



Levee Mile Report Line	20
Start Levee Mile	3.24
End Levee Mile	3.24
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Photo of pipe penetration discharge off landside slope.

mkhashch_s_20120511_339.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	21
Start Levee Mile	3.28
End Levee Mile	3.28
Location	Water Side
Category	Earthen Levee
Item	Animal Control
04/28/2011 Fresh burrow in center of picture, "porch" extends to the grass line.	
mkhashch_s_20120511_324.jpg	



Levee Mile Report Line	22
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 Landside burrows.	
mkhashch_s_20120511_337.jpg	



Levee Mile Report Line	22
Start Levee Mile	3.31
End Levee Mile	3.31
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 More landside burrows at same location.	
mkhashch_s_20120511_338.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	25
Start Levee Mile	3.37
End Levee Mile	3.37
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes have been flagged for repair.

mkhashch_s_20120511_340.jpg



Levee Mile Report Line	28
Start Levee Mile	3.63
End Levee Mile	4.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Vegetation on water side is not being properly maintained. Top 20' from the hinge must be cleared.

mkhashch_s_20120511_341.jpg



Levee Mile Report Line	29
Start Levee Mile	3.63
End Levee Mile	3.84
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Vegetation on landside must be controlled on the entire slope and 15' beyond the toe.

mkhashch_s_20120511_326.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	31
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Crown
Category	Earthen Levee
Item	Trim / Thin Trees

11/03/2011 Tree needs to be trimmed up to a minimum of 12' over the roadway.

mkhashch_s_20120511_342.jpg



Levee Mile Report Line	33
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of pipe penetrating waterside slope.
05/16/2012

mkhashch_s_20120518_380.jpg



Levee Mile Report Line	33
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of siphon breaker valve on landside hinge.
05/16/2012

mkhashch_s_20120518_381.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	34
Start Levee Mile	3.98
End Levee Mile	3.98
Location	Water Side
Category	Earthen Levee
Item	Animal Control
11/03/2011 Burrow on waterside.	
mkhashch_s_20120511_343.jpg	



Levee Mile Report Line	35
Start Levee Mile	4.14
End Levee Mile	4.14
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
11/03/2011 Tree on waterside needs to be trimmed up 5' over slope and up to a minimum of 12' over the roadway.	
mkhashch_s_20120511_327.jpg	



Levee Mile Report Line	36
Start Levee Mile	4.18
End Levee Mile	4.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Waterside vegetation needs to be maintained on the top 20' of the waterside slope.	
mkhashch_s_20120511_344.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	39
Start Levee Mile	4.32
End Levee Mile	4.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Updated photo of encroachments on landside toe.

mkhashch_s_20120511_330.jpg



Levee Mile Report Line	40
Start Levee Mile	4.37
End Levee Mile	4.37
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

11/03/2011 Tree needs to be limbed up to 5' above the ground on the waterside for visibility.

mkhashch_s_20120511_323.jpg



Levee Mile Report Line	41
Start Levee Mile	4.38
End Levee Mile	4.38
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

11/03/2011 Large stump on landside slope.

mkhashch_s_20120511_329.jpg



*** Location**

LS : Land Side
WS : Water Side
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**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	42
Start Levee Mile	4.49
End Levee Mile	5.16
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Waterside vegetation needs to be managed on the top 20' of the slope.	
mkhashch_s_20120511_345.jpg	



Levee Mile Report Line	44
Start Levee Mile	4.71
End Levee Mile	4.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/28/2011 Stairs on landside slope for monitoring station.	
mkhashch_s_20120511_331.jpg	



Levee Mile Report Line	45
Start Levee Mile	4.71
End Levee Mile	4.71
Location	Water Side
Category	Earthen Levee
Item	Encroachments
04/28/2011 Monitoring station.	
mkhashch_s_20120511_332.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.20	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	46
Start Levee Mile	4.81
End Levee Mile	4.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Landside vegetation needs to be maintained for the full landside slope and 15' beyond the toe.	
mkhashch_s_20120511_346.jpg	



Levee Mile Report Line	47
Start Levee Mile	4.92
End Levee Mile	5.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Waterside vegetation has been sprayed, but needs to be removed so the top 20' of the slope is visible.	
mkhashch_s_20120511_347.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.69
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/16/2012 - 5/16/2012			
DWR Inspector	Max Khashchuk			
Accompanied By	Ralph Timan			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 San Joaquin River							0.69	05/16/2012 05/16/2012	Max Khashchuk	

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.02	Earthen Levee	Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.705248 ° -121.274385 °	37.705248 ° -121.274385 °	3 Y
DWR ID: DWR_RD2085_02_s_2012_3										
2	0.02	0.02	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.705225 ° -121.274383 °	37.705225 ° -121.274383 °	2 Y
DWR ID: DWR_RD2085_02_s_2012_2										
3	0.66	0.66	Earthen Levee	Encroachments	CR	M Ma	EQ : Equipment Inspector Comments: Heavy equipment is being stored on the levee crown.	37.713644 ° -121.269740 °	37.713644 ° -121.269740 °	1 Y
DWR ID: DWR_RD2085_02_s_2012_1										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.69	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of annual vegetation on waterside slope.
05/24/2012

mkhashch_s_20120525_417.jpg



Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of annual vegetation on landside slope.
05/24/2012

mkhashch_s_20120525_416.jpg



Levee Mile Report Line	3
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Crown
Category	Earthen Levee
Item	Encroachments

11/03/2011 Heavy equipment being stored on the
levee crown at the end of the spur levee.

mkhashch_s_20120511_348.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River				0.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/16/2012 - 5/16/2012			
DWR Inspector	Max Khashchuk			
Accompanied By	Ralph Timan			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	05/16/2012 05/16/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.29	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.680604 ° -121.264501 °	37.683928 ° -121.261921 °	4 Y
DWR ID: DWR_RD2085_03_s_2012_4										
2	0.02	0.29	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.680705 ° -121.264343 °	37.683862 ° -121.262021 °	1 Y
DWR ID: DWR_RD2085_03_s_2012_1										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Unwanted weed growth on levee slopes.

mkhashch_s_20120511_351.jpg



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/03/2011 Vegetation has been sprayed, but needs to be removed.

mkhashch_s_20120511_352.jpg



Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of annual vegetation on landside slope.
05/24/2012

mkhashch_s_20120525_414.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable
N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	05/16/2012 05/16/2012	Max Khashchuk

Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	0.29
Location	Water Side
Category	Earthen Levee
Item	Vegetation
04/28/2011 Weeds taller than 12" are on both waterside slopes for the full length of the unit. Weeds prevent visibility of the slope and crown.	
mkhashch_s_20120511_349.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	0.29
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/03/2011 Vegetation has been sprayed, but needs to be removed.	
mkhashch_s_20120511_350.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	0.29
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of annual vegetation on waterside slope. 05/24/2012	
mkhashch_s_20120525_415.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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